

# NEBRASKA WEATHER & CROPS

For Week Ending June 2, 1991

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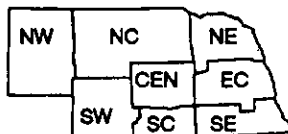
Phone: (402) 437-5541

Location: 273 Federal Bldg.

P.O. Box 81069

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## WEATHER

The week was warm and humid. Temperatures averaged from near normal in the Panhandle to ten degrees above normal in the east central. Precipitation occurred throughout the week. Amounts varied from .66 inch at Scottsbluff up to 5.15 inches at Grand Island. Several severe storms with heavy, washing rains and hail occurred last week.

## GENERAL

Nebraska farmers and ranchers had very limited fieldwork opportunities again last week. Weather conditions generally provided excellent growing conditions for all crops as well as weeds. Weed problems in some fields are unchecked to date due to wet field conditions while some producers are able to apply chemical weed control or conduct field cultivation between rains. Storms this past week again brought crop damaging conditions in the form of hail, heavy rains, high winds, and flooding. Crop replanting is being planned where necessary. Dry bean planting was also slowed by heavy rains. Quality on some first cuttings of alfalfa were reduced by continued wet weather.

## CROPS

Winter wheat condition was rated at 26% fair, 63% good, and 11% excellent. Rains and overall crop growing conditions continue to be very beneficial to the wheat crop.

FIELD WORK PROGRESS AS OF JUNE 2, 1991	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% wheat headed	65	46	51	100	100	100	99	100	88	51	74	85
% wheat turning	0	0	0	0	2	1	2	3	1	0	1	5
% corn emerged	96	90	92	99	96	96	99	100	96	79	85	91
% sorghum planted	0	59	59	82	85	24	66	80	74	50	54	74
% sorghum emerged	0	22	26	63	61	13	44	66	56	23	21	47
% soybeans planted	0	71	76	86	88	41	86	82	82	57	63	79
% soybeans emerged	0	37	46	68	65	23	56	71	59	24	22	51
% alfalfa first cutting	9	4	14	7	21	10	4	38	12	4	13	36
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF MAY 31, 1991												
Days suitable	3.9	2.5	3.9	2.2	3.1	0.9	1.0	2.9	2.7	3.6	3.7	
Topsoil moisture - Short	0	0	0	0	5	0	0	7	2	4	0	
(Percent) - Adequate	90	50	67	23	40	57	33	66	52	73	86	
- Surplus	10	50	33	77	55	43	67	27	46	23	14	
Subsoil moisture - Short	10	30	6	8	10	7	17	33	14	31	37	
(Percent) - Adequate	80	50	94	84	70	86	83	67	78	67	63	
- Surplus	10	20	0	8	20	7	0	0	8	2	0	

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## CROPS (Cont.)

The crop has reached 88% headed, ahead of 74% last year and 85% for the 5-year average.

Corn planting is virtually complete. Some replanting is being planned for fields with storm damage and/or cutworm damage. Weed growth is a problem in some fields. Condition of the crop was rated at 5% fair, 73% good, and 22% excellent.

Sorghum and soybean planting made good progress this past week despite only limited days suitable for fieldwork. Sorghum planting was 74% completed by week's end, compared with 54% last year and 74% for the average. Soybeans were 82% planted, ahead of both last year at 63% and the 5-year average at 79%.

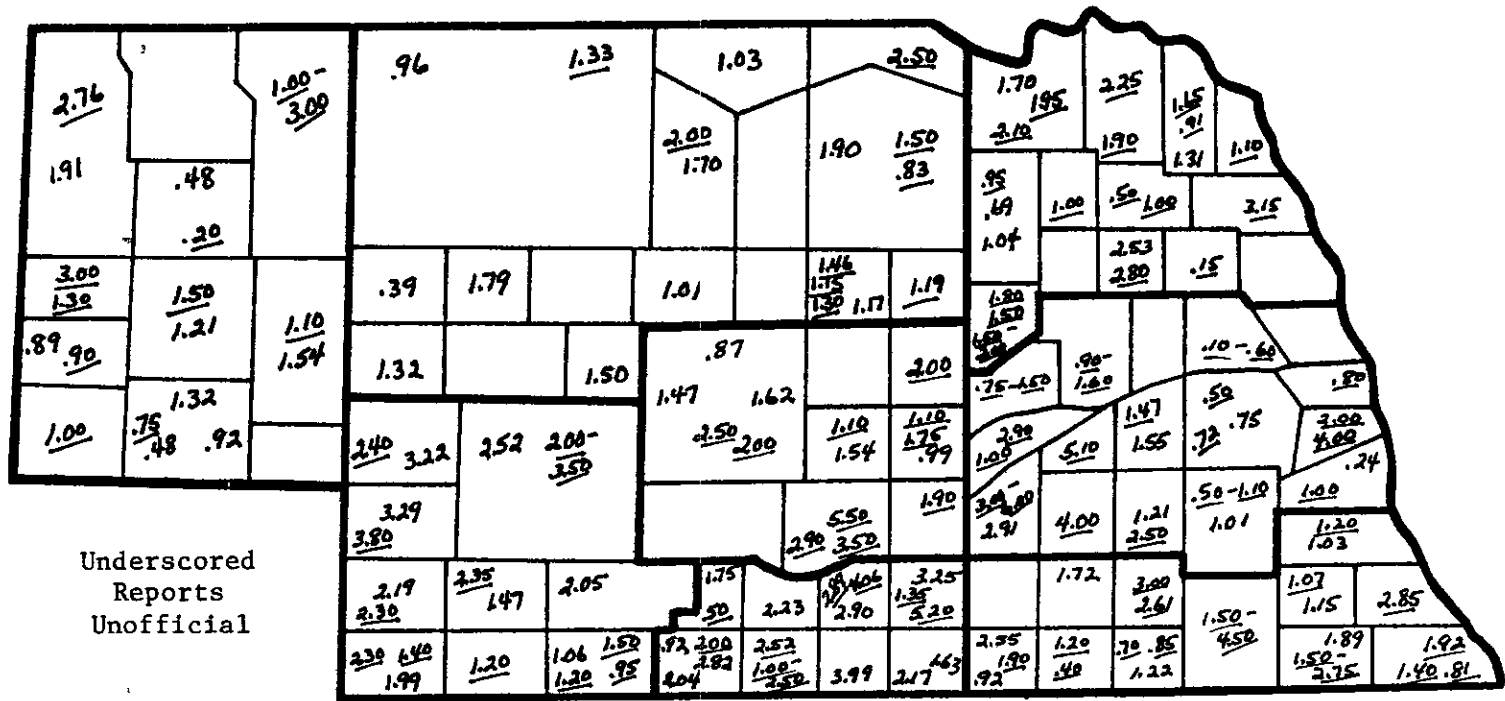
Alfalfa condition was rated at 2% poor, 9% fair, 66% good, and 23% excellent. First cutting activities have begun in most areas of the State, but remain behind a year ago and the average due to continued wet weather conditions. Wild hay continued to show improvement and was rated at 5% fair, 62% good, and 33% excellent.

Subsoil moisture supplies continued to improve over this past week.

## LIVESTOCK

Pasture and range condition continued to improve and was rated at 95% of normal, in the good to excellent category. Cattle were reportedly doing well with most on summer pastures. Feedlots were extremely muddy and stressing cattle.

PRECIPITATION MAP FOR WEEK ENDING FRIDAY, MAY 31, 1991



	Precipitation, April 1 - May 31, 1991							
	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week .....	1.09	1.28	1.45	1.30	1.28	2.22	2.37	1.50
Total since April 1 .....	5.81	7.00	8.16	8.26	7.55	7.29	7.95	6.50
Normal since April 1 .....	4.83	5.52	6.35	6.03	6.84	4.97	5.76	6.77
Total as % of normal .....	120%	127%	129%	137%	110%	147%	138%	96%

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA,  
WEEK ENDING SUNDAY, JUNE 2, 1991

Station		Temperature				Precipitation Total Inches <u>1</u> / <sub>2</sub>	Growing Degree Data Since April 15			
		Extremes		Mean	Departure		Last Week	Current	Normal	
		Max	Min							
NW	Chadron	---	---	---	---	---	---	---	---	
	Scottsbluff	78	47	62	0	.66	352	440	440	
	Sidney	---	---	---	---	---	350	430	451	
NC	Valentine	83	51	65	+3	1.88	391	497	430	
NE	Norfolk	93	57	73	+7	2.04	---	---	---	
	Sioux City	94	60	75	+9	1.00	---	---	---	
	Concord	---	---	---	---	---	406	559	527	
	Elgin	---	---	---	---	---	407	545	497	
	West Point*	---	---	---	---	---	476	640	543	
	CEN	Grand Island	90	56	72	+6	5.15	459	609	511
	Ord	88	57	71	---	1.32	420	562	526	
	EC	Lincoln	90	57	76	+9	.60	510	681	551
	Omaha	92	62	77	+10	1.64	488	663	511	
	Columbus	---	---	---	---	---	468	623	529	
	York	---	---	---	---	---	467	621	561	
	SW	Imperial	---	---	---	---	---	---	---	
	North Platte	84	56	68	+5	1.55	**377	**497	**503	
	SC	Holdrege	---	---	---	---	424	571	559	
	SE	Beatrice	---	---	---	---	---	529	705	625
Clay Center		---	---	---	---	---	475	636	575	

\* Automated weather station.    \*\* North Platte Experiment Station.

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is: Max. temp. + min. temp. divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.